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(71)Applicant : TECHNOL RES ASSOC OF MEDICAL & WELFARE APPARATUS

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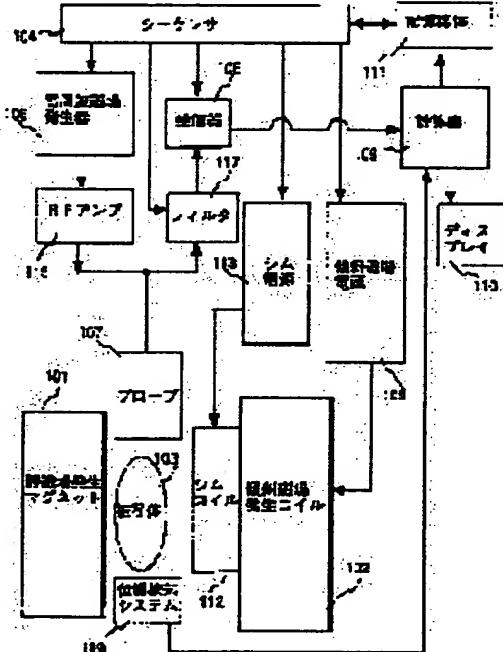
(72)Inventor : OCHI HISAAKI
TANIGUCHI AKIRA
TSUKADA KEIJI
SHIMIZU HIROMICHI

(54) MAGNETIC RESONANCE PHOTOGRAPHING APPARATUS

(57)Abstract:

PROBLEM TO BE SOLVED: To change information such as movement of MR images and resolution according to the operation movement of an operator by changing the number of pixels of plural images obtained by continuously photographing for a certain period plural images having a visual field of the same size according to the moving speed of an operation tool inserted into an object.

SOLUTION: A marker filled with water and oil in the vicinity of the tip of a catheter is provided, and the position of the marker is detected from the image by a computer 109. The moving quantity (moving distance) of the position is measured and divided by time, and the moving speed of a catheter or the like is obtained. Every time the photographing sequence of two-dimensional images is carried out repeatedly, the number of pixels relating to a two-dimensional image in the execution of next photographing sequence is changed according to the moving speed of an operational tool obtained based on the detected signal of the position of the operational tool detected by a position detection system 119 as a position detecting means. Images are reconstructed by a computer 109 as an image reconstruction means using image data of different phase encoding information obtained from the plural photographing sequence.



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